AD 4,424,691 1/1984 Foshee 70 224 March 4, 1982 AE 4,921,289 5/1990 Shen 292 336.3 January 13, 1988 AF 6,085,561 7/2000 Yao 70 472 March 16, 1999 AG 6,101,856 8/2000 Pelletier, et al. 70 472 December 14, 199 AH 6,279,360 B1 8/2001 Shen 70 224 August 17, 1999	Form PTO	1449				·				Page Page	_l_of
Eugenio G. Mannella FILING DATE: GROUP: Unknown			·								
Herewith Unknown	INFORM	ATIO	N DISCLOSU								
Examiner Initial* Document Initial* Date Name Class Subclass Filing Date											
Initial * No. January 10, 1885 AA 318,684 5/1885 Beebe January 10, 1885 AB 356,155 1/1887 Niles September 27, 188 AC 3,955,387 5/1976 Best, et al. 70 224 November 14, 197 AD 4,424,691 1/1984 Foshee 70 224 March 4, 1982 AE 4,921,289 5/1990 Shen 292 336.3 January 13, 1988 AF 6,085,561 7/2000 Yao 70 472 March 16, 1999 AG 6,101,856 8/2000 Pelletier, et al. 70 472 December 14, 199 AH 6,279,360 B1 8/2001 Shen 70 224 August 17, 1999 GUE AI 6,425,273 B1 7/2002 Kim, et al. 70 224 December 20, 199 AJ AK FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Translation AL AM AN AN AN AN AN AN AN					U.S PATENT	DOCUMENT	S				1
AB 356,155 1/1887 Niles September 27, 188 AC 3,955,387 5/1976 Best, et al. 70 224 November 14, 197 AD 4,424,691 1/1984 Foshee 70 224 March 4, 1982 AE 4,921,289 5/1990 Shen 292 336.3 January 13, 1988 AF 6,085,561 7/2000 Yao 70 472 March 16, 1999 AG 6,101,856 8/2000 Pelletier, et al. 70 472 December 14, 199 AH 6,279,360 B1 8/2001 Shen 70 224 August 17, 1999 AJ AI 6,425,273 B1 7/2002 Kim, et al. 70 224 December 20, 199 AJ AK FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Translation Translation AL AM AN AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04				Date	Name		Class	Sub	class	Filing Date	
AB 356,155 1/1887 Niles September 27, 188 AC 3,955,387 5/1976 Best, et al. 70 224 November 14, 197 AD 4,424,691 1/1984 Foshee 70 224 March 4, 1982 AE 4,921,289 5/1990 Shen 292 336.3 January 13, 1988 AF 6,085,561 7/2000 Yao 70 472 March 16, 1999 AG 6,101,856 8/2000 Pelletier, et al. 70 472 December 14, 199 AH 6,279,360 B1 8/2001 Shen 70 224 August 17, 1999 AJ AI 6,425,273 B1 7/2002 Kim, et al. 70 224 December 20, 199 AJ AK TOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Translation AL AM AN AN AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) DATE CONSIDERED: 9/12/04	GUE	AA	318,684	5/1885	Beebe					January 10,	1885
AD 4,424,691 1/1984 Foshee 70 224 March 4, 1982 AE 4,921,289 5/1990 Shen 292 336.3 January 13, 1988 AF 6,085,561 7/2000 Yao 70 472 March 16, 1999 AG 6,101,856 8/2000 Pelletier, et al. 70 472 December 14, 199 AH 6,279,360 B1 8/2001 Shen 70 224 August 17, 1999 AJ 6,425,273 B1 7/2002 Kim, et al. 70 224 December 20, 199 AJ AK FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Translation Document No. Class Subclass Yes No AL AM AN AN AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04		AB	356,155	1/1887	Niles					September	27, 1884
AE 4,921,289 5/1990 Shen 292 336.3 January 13, 1988 AF 6,085,561 7/2000 Yao 70 472 March 16, 1999 AG 6,101,856 8/2000 Pelletier, et al. 70 472 December 14, 199 AH 6,279,360 B1 8/2001 Shen 70 224 August 17, 1999 AI 6,425,273 B1 7/2002 Kim, et al. 70 224 December 20, 199 AJ AK FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Translation Document No. Class Subclass Yes No AL AL AM AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04		AC	3,955,387	5/1976	Best, et al.		70	224		November 14, 1974	
AF 6,085,561 7/2000 Yao 70 472 March 16, 1999 AG 6,101,856 8/2000 Pelletier, et al. 70 472 December 14, 199 AH 6,279,360 BI 8/2001 Shen 70 224 August 17, 1999 AI 6,425,273 BI 7/2002 Kim, et al. 70 224 December 20, 199 AJ AK FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Translation Document No. Class Subclass Yes No AL AM AN AO AP DOTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9//2/04		AD	4,424,691	1/1984	Foshee		70	224		March 4, 1982	
AG 6,101,856 8/2000 Pelletier, et al. 70 472 December 14, 199 AH 6,279,360 B1 8/2001 Shen 70 224 August 17, 1999 GUE AI 6,425,273 B1 7/2002 Kim, et al. 70 224 December 20, 199 AJ AK FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Translation Document No. Class Subclass Yes No AL AL AM AN AN AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04		AE	4,921,289	5/1990	Shen		292	336	.3	January 13, 1988	
AH 6,279,360 B1 8/2001 Shen 70 224 August 17, 1999 AI 6,425,273 B1 7/2002 Kim, et al. 70 224 December 20, 199 AJ AK FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Translation Document No. Class Subclass Yes No AL AM AN		AF	6,085,561	7/2000	Yao		70	472		March 16, 1999	
AI 6,425,273 B1 7/2002 Kim, et al. 70 224 December 20, 199 AJ AK FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Document No. Class Subclass Yes No AL AM AN	7	AG	6,101,856	8/2000	Pelletier, et al.		70	472		December 14, 1998	
AJ AK FOREIGN PATENT DOCUMENTS Translation Document No. Document No. AL AM AN AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04	Į	AH	6,279,360 B1	8/2001	Shen		70	224		August 17, 1999	
FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS Translation Document No. AL AM AN AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04	6ue	AI	6,425,273 B1	7/2002	Kim, et al.		70	224		December 20, 1999	
FOREIGN PATENT DOCUMENTS Document No. Date Country Class Subclass Yes No		AJ									
Document No. Document No. AL AM AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9//2/04		AK									
Document No. AL AM AN AO OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: Date Country Class Subclass Yes No No Date Country Class Subclass Yes No Date Country Date C					FOREIGN PATE	NT DOCUME	NTS		-		
AL AM AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04										Translation	
AM AN AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04				Date	Country		Class	Sub	class	Yes	No
AN AO OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04		AL		ļ							
AO AP OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04		AM						<u> </u>			<u></u>
OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04		AN					ļ	<u> </u>	_		ļ
OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) EXAMINER: DATE CONSIDERED: 9/12/04		AO		<u> </u>							
EXAMINER: 4/12/04	,	AP						1		<u> </u>	
5.1.1. G. 777 C. 1		O'	THER REFEREN	ICES (INC	LUDING AUTHO	OR, TITLE, DA	TE, PERTIN	NENT	PAGES,	ETC.)	
5.112 constants.											
5.112 constants.			0.5								
5.1.1. G. 777 C. 1		,	(/////	1			/)				
Summiner Initial if reference frontidated substitute or not citation in in conformance with MDED 60th Press the should extend situation if not in angle	EXAMINE	R: 4	Kolot	7	DATE CONSIDI	ered: 9.	112/04	_			
*Examiner: Initial if reference considered, whener or not chatton is in conformance with MPEP 609; Draw line inrough chatton if not in conformance and not considered. Include copy of this form with next communication to Applicant.	*Examiner: Ini	tial if refe	rence considered, wh	emer or not cit	tation is in conformanc	e with MPEP 609;	Draw line throug	gh citati	on if not in	conformance an	d not